

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 060300975

For: Luz Solar Partners VIII & IX

Facility: SEGS VIII & IX

Issued Pursuant to MDAQMD Regulation XII
Effective Date: October 16, 2000

This Federal Operating Permit Expires
on: October 16, 2005

Issued By: Charles L. Fryxell
Air Pollution Control Officer

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PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

<u>Owner/Company Name:</u>	Luz Solar Partners VIII & IX
<u>Owner Mailing Address:</u>	Luz Solar Partners VIII & IX 700 Universe Blvd. Juno Beach, FL 33408
<u>Facility Name:</u>	SEGS VIII & IX
<u>Facility Location:</u>	43880 Harper Lake Road Hinkley, CA 92347
<u>Mailing Address:</u>	Luz Solar Partners VIII & IX 43880 Harper Lake Road Hinkley, CA 92347
<u>MDAQMD Federal Operating Permit Number:</u>	060300975
<u>MDAQMD Company Number:</u>	0603
<u>MDAQMD Facility Number:</u>	00975
<u>Responsible Official:</u>	Chris Allen
<u>Title:</u>	Plant Manager
<u>Phone Number:</u>	760-762-3117
<u>Facility "Site" Contacts:</u>	Jan Hansen
<u>Phone Number:</u>	619-762-3158
<u>Facility "Off Site" Contacts:</u>	Chris Allen
<u>Phone Number:</u>	209-603-9544
<u>Nature of Business:</u>	Electrical Power Generation
<u>SIC Code:</u>	4911
<u>Facility Location:</u>	UTM (Km): 470E/3877N

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 30500975) for Luz Solar Partners VIII & IX - SEGS VIII & IX, located at 43880 Harper Lake Road, Hinkley, CA. 92397. The facility is a Solar Electrical Power Generation facility, which generates electric power through the use of solar mirrors, heat transfer fluid (HTF) systems, steam turbines, and natural gas fired HTF (Heat Transfer Fluid) heaters. The permitted equipment consists of two natural gas fired heaters, two cooling towers, two heat transfer fluid ullage systems, six emergency internal combustion diesel engines and one Gasoline Dispensing Facility.

C. EQUIPMENT DESCRIPTION:

1. Two Public Utility Commission (PUC) Quality Natural Gas fired Heaters:

- a. MDAQMD Permit Numbers B002013 and B002016, Kinetics Technology, HTF, natural gas fired heaters, each unit has a maximum heat input of 872 MMBTU/hr and consists of the following equipment:

- Four Vertical Tube Box Heaters, each with 32 Alzeta Pyrocore radiant burners.
- Three Pumps; 3,000 hp each @ 1794 rpm
- One Freeze Protection Pump; 100 bhp @ 1775 rpm
- Continuous Emission Monitoring (CEM) equipment

SEGS VIII

- Two Forced Draft Blowers; one 300 bhp @ 1190 rpm, one 500 hp @ 1200 rpm
- Two Induced Draft Fans; one 300 bhp @ 885 rpm, one 500 hp @ 1190 rpm

SEGS IX

- Two Forced Draft Blowers; two 300 bhp @ 1190 rpm
- Two Induced Draft Fans; one 300 bhp @ 885 rpm

2. Two Cooling Towers:

- a. MDAQMD Permit Numbers B003941 and B003943, each is a Marley six cell counterflow model with a design drift rate of 0.0005 % and a circulation rate of 56,100 gpm, including the following equipment:

- Six 150 bhp @ 1790 rpm Exhaust Fans
- One 40 bhp @ 705 rpm, 6,000 gpm Circulation Pump
- Four 300 bhp @ 705 rpm, 14,100 gpm Cooling Water Pumps
- One 40 bhp @ 1775 rpm Auxiliary Cooling Water Pump
- Three 20 bhp @ 1765 rpm Tower Makeup Pumps

3. Two Heat Transfer Ullage Systems, which are the heat transfer systems associated with solar energy transfer:
 - a. MDAQMD Permit Numbers B003942 and B003944, each consisting of the following equipment:
 - One 30 bhp @ 3520 rpm, 15 gpm @ 160 psig, Ullage Vessel Pump
 - One 3 bhp @ 1750 rpm, Ullage Cooler Circulation Pump
 - One 204,600 Btu/hr @ 180 psig & 560 degrees F, Ullage Cooler
 - One 650,000 Btu/hr @ 180 psig & 560 degrees F, Ullage Cooler
 - One 2,000 gallon @ 180 psig & 500 degrees F, Ullage Vessel
 - One 2,000 gallon @ 15 psig & 250 degrees F, Ullage Vessel
 - One 3,000 gallon @ 15 psig, Ullage Drain
4. Six Emergency Internal Combustion Engines:
 - a. MDAQMD Permit Numbers E002015 and E002018, each consisting of a Caterpillar Diesel ICE, model SR-4, rated at 890 bhp @ 1800 rpm, used for emergency electrical power.
 - b. MDAQMD Permit Number E003940, containing three Caterpillar Diesel ICE's, Model No. 3306, rated at 267 bhp @ 2100 rpm each, used for emergency fire pumps.
 - c. MDAQMD Permit Number E007525, consists of a John Deere Diesel Powered Air Compressor, Model No. 6076AF-00, rated at 250 bhp @ 2100 rpm, used for emergency compressed air requirements.
5. Gasoline Dispensing Facility:
 - a. MDAQMD Permit Number N002984 consisting of:
 - One above ground storage tank, 2,000 gallon capacity of unleaded gasoline.
 - One above ground storage tank, 1,000 gallon capacity of Diesel fuel.
 - One Gasoline Dispensing Nozzle
 - One Diesel Dispensing Nozzle
 - Phase II Vapor Recovery System

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(31)(vi)(C) - 02/01/77 43 FR 52237; Current Rule Version = 07/25/77]
8. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[**SIP Pending:** Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 12/21/94; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]
9. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
10. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = 10/23/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - a. While any unit is fired on Public Utilities Commission grade natural gas, Periodic Monitoring is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements, see: Part II, section A, condition 12; Part III, section C, condition 23; Part V, section C, condition 6; Part V, section D, condition 1, Part V, section E, condition 4)

[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

13. Owner/Operator is limited to use the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 ppm calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limit for PUC quality natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the utility grade - pipeline quality natural gas supplied as fuel. Compliance with Rule 431 fuel sulfur limit for diesel fuel shall be determined by keeping records of CARB certified diesel fuel given by supplier's fuel analysis guarantee. Records shall be kept on-site and available for review by District, State or Federal personnel at any time. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]
14. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.
[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
15. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM₁₀ Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.
[SIP Pending: Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]
16. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
 - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle

of operation or one hour, whichever is the lesser time period.

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

17. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
 - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
 - (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]
18. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]
19. Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
 - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
20. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
 - (a) This condition shall not apply to cases in which the only violation involved is of

Section 41700 of the Health and Safety Code, or of District Rule 402.
[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR
52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.
[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
Reference Section III A(1)
22. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
- (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
 - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
 - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
 - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
 - (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.
- [**SIP Pending:** Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]
23. Owner/Operator of this facility shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced by at least 85% or to the following:
- (a) Organic materials that come into contact with flame or are baked, heat cured or heat polymerized, are limited to 1.4 kilograms (3.1 pounds) per hour not to exceed 6.5

- kilograms (14.3 pounds) per day.
- (b) Organic materials emitted into the atmosphere from the use of photochemically reactive solvents are limited to 3.6 kilograms (7.9 pounds) per hour, not to exceed 18 kilograms (39.6 pounds) per day, except as provided in Rule 442, subsection (a)(1). All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (c) Organic materials emitted into the atmosphere from the use of non-photochemically reactive solvents are limited to 36.8 kilograms (81 pounds) per hour not to exceed 272 kilograms (600 pounds) per day. All organic materials emitted for a drying period of 12 hours following their application shall be included in this limit.
 - (d) The provisions of this condition shall not apply to the manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (e) The provisions of this condition shall not apply to the use of equipment for which other requirements are specified by Rules 461, 462, 463, and 464 or which are exempt from air pollution control requirements by said rules.

[Rule 442 - *Usage of Solvents*; Version in SIP = Current, 40 CFR 52.220(c)(51)(xii)(B) - 06/09/82 47 FR 25013]

24. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
 - (c) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.
 - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
 - (iv) A water cover may be used as an acceptable control method to meet

the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.

(d) Cold Solvent Degreasers - Cover Requirements:

- (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.

(e) Cold Solvent Degreasers - Solvent Level Identification:

- (ii) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.

(f) All Degreasers shall comply with the following operating requirements:

- (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
- (ii) Degreasers shall not be operating with any detectable solvent leaks.
- (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
- (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; **or** a federally or state licensed facility to treat, store or dispose of such waste; **or** the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
- (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
- (vi) Solvent carry-out shall be minimized by the following methods:
 - a) Rack workload arranged to promote complete drainage
 - b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - c) Retain the workload inside of the vapor zone until condensation ceases.
 - d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
 - e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)

- (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
 - (viii) Except for sealed chamber degreasers, all solvent agitation shall be by either pump recirculation, a mixer, or ultrasonics.
 - (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
 - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
 - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
 - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
 - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
- (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
- (1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - (i) product name(s) used in the degreaser, and
 - (ii) the mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) the total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) the name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a

monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.

- (3) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.
- (4) Records shall be retained (at facility) and available for inspection by District, State or Federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.

[Rule 1104 - Organic Solvent Degreasing Operations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

25. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table of Standards, as listed below:

Table of Standards

<u>COATING:</u>	<u>VOC (g/l)</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	250
General Primers, Sealers and Undercoaters	350
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	
Anti-Graffiti Coatings	600
General Coatings	420
High Temperature Coatings	550
Lacquer	680
Magnesite Cement Coatings	600
Mastic Texture Coatings	300
Metallic-Pigmented Coatings	500
Multi-Color Coatings	580
Opaque Stains	350
Opaque Wood Preservatives	350
Pretreatment (Wash) Primer	780
Quick Dry Enamels	400

Quick Dry Primers, Sealers and Undercoaters	450
Roof Coatings	300
Sanding Sealers	550
Semi-transparent Stains	350
Semi-transparent and Clear Wood Preservatives	350
Shellac	
Clear	730
Pigmented	550
Swimming Pool Coatings	650
Swimming Pool Repair and Maintenance Coatings	650
Traffic Paints	250
For Other Surfaces	250
Black Traffic Coatings	650
Varnish	350
Waterproof Sealers	400

[Rule 1113 - *Architectural Coatings*; Version in SIP = 02/20/79, 40 CFR 52.220(c)(51)(xii)(B)-06/09/82 47 FR 25013; Current Rule Version = 09/02/92]

26. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

27. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>	<u>Baked</u>
	gr/L (lb/gal)	gr/L (lb/gal)

General	420	(3.5)	360	(3.0)
Military Specification	420	(3.5)	360	(3.0)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
High-Gloss	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone-Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan-Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

28. The provisions of Part II, Condition A.26 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

29. The provisions of Part II, Conditions A.26 and A.27 shall not apply to:
- (a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.

- (b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
- (c) Stencil coatings.
- (d) Safety-indicating coatings.
- (e) Magnetic data storage disk coatings.
- (f) Solid-film lubricants.
- (g) Adhesives.
- (h) The coating of motor vehicle bodies at motor vehicle rework facilities.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

30. Owner/Operator of any facility classified as exempt or claiming to be exempt, under Rule 1115, shall meet the record keeping requirements of Rule 1115 so as to be able to certify the exemption status.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

31. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1115 shall comply with the provisions of Rule 442 unless compliance with the limits specified in Rule 1115 are achieved.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

32. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:

- (a) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
- (b) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
- (c) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20 deg C (68 deg F).
- (d) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
- (e) Owner/Operator shall store fresh or spent solvent in closed containers.
- (f) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current,

40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

33. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of this Rule 1115 that does not meet the limits and requirements of Rule 1115. This requirement applies to all written or oral contracts. [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
34. Owner/Operator subject to Part II, Section A, conditions A.26 through A.39 shall comply with the following requirements:
- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
 - 1. coating, catalyst, and reducer used.
 - 2. mix ratio of components used.
 - 3. VOC content of coating as applied.
 - 4. quantity of Group II exempt compounds used.
 - (b) Owner/Operator shall maintain records on a daily basis including:
 - 1. coating and mix ratio of components used in the coating; and
 - 2. quantity of each coating applied.
 - (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
 - (d) Records shall be retained (at facility) and available for inspection by District, State or Federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
35. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein. [Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see Part II and Part III conditions)
36. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see Part II and Part III conditions)

37. A violation of the limits contained in Part II, Conditions A.26 through A.39 as determined by any one of Part II, Conditions 38 and 39 *Reference Method Tests* shall constitute a violation of applicable Part II conditions.
[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]
[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]
38. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.39, as required by Rule 1114:
- (a) Samples of coatings and solvent as specified in Part II, Conditions A.26 through A.39 shall be analyzed as prescribed by EPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or ARB Method 432 for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility Owner/Operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
 - (b) Emissions of volatile organic compounds as specified in Part II, Conditions A.26 through A.39 shall be measured as prescribed by EPA Reference Method 25 for determination of VOC emissions (without correction for exempt compounds) and EPA Method 18, or ARB Method 422 for measuring emission of exempt compounds.
 - (c) Transfer efficiency as required by Part II, Conditions A.26 through A.39 shall be determined by *South Coast Air Quality Management District Spray Equipment Transfer Efficiency Test Procedure for Equipment User*, May 24, 1989.
 - (d) Overall abatement efficiency is the product of capture efficiency as determined by procedures described in 55 FR 26865, 29 June, 1990, and abatement device efficiency.
- [Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(244)(i)(C)(1) - 08/18/98 63 FR 44132]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for *Periodic Monitoring Requirements*, see Part II and Part III conditions)
39. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.26 through A.39, as required by Rule 1115:
- (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and

- (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
- (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
 - (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
 - (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).
 - (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
 - (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
 - (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
 - (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
 - (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
 - (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
 - (k) Demonstration of Transfer Efficiency of alternative application methods subject to subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air

Quality Management District's "Spray Equipment Transfer Efficiency Test
Procedure for Equipment User" (5/24/89).

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current,
40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*for Periodic Monitoring
Requirements, see Part II and Part III conditions*)

40. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*). [Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING
REQUIREMENTS:

1. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, State, or Federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
2. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the MDAQMD at least every six (6) months unless another time period is specified in the specific provision requiring monitoring.
[40 CFR 70.6(a)(3)(iii)(A); Rule 1203(D)(1)(e)(i)]
3. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](*for Periodic Monitoring Requirements; see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission

Inventories shall monitor and record the following for each unit:

- (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements; see Part II and Part III conditions)

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

C. FACILITYWIDE COMPLIANCE CONDITIONS:

1. The Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. The Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. The Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. The Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. If the Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then the Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vi)]
6. The Owner/Operator shall submit Compliance Certifications on an annual basis as prescribed by Rule 1203(F)(1). *Compliance Certifications* shall be submitted to the

Mojave Desert Air Quality Management District and to the Administrator - USEPA Region 9 within thirty (30) days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, pursuant to District Rule 1203. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. A responsible official shall certify each report to be true, accurate, and complete.

[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(vii - x)]

[Rule 1203 (F)(1)]

[40 CFR 70.6(c)(5)(i); Rule 1203(D)(1)(g)(vii); Rule 1203(F)(1)]

[40 CFR 70.6(5)(iii); Rule 1203(D)(g)(ix)]

7. The Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
8. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[Rule 1203 (D)(1)(f)(ii)]
9. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.
[Rule 1201 (I)(2)]
[Rule 1203 (F)(1)]
10. If any of Luz Solar Partners equipment is determined to not be in compliance with any federally-enforceable requirement during the 5 year permit term, the Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, the Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with Rule 1201(I)(3)(iii) and shall

include:

- (a) A narrative description of how the facility will achieve compliance with such requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

[**SIP Pending:** Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

- 11. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 1203 (D)(1)(g)(x)]
- 12. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.
[40 CFR 61, subparts A and M]
- 13. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
- 14. Owner/Operator shall notify the APCO/District, on an **annual** basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold

triggering and applicability].
[40 CFR 61.145.b]

15. Owner/Operator shall submit, on a *semi-annual* basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. Each *Monitoring Report* shall be submitted no later than January 31 and July 31 of any given year, shall be certified to be true, accurate, and complete by a responsible official, and shall include the following information and/or data:
 - (a) Summary of deviations from any federally-enforceable requirement in this permit.
 - (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
 - (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
 - (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.[Rule 1203 (D)(1)(e)(i); and 1203 (D)(1)(c)(i - iii)]
16. Owner/Operator shall promptly report all deviations from federal operating permit requirements including those attributable to breakdown conditions. Prompt reporting shall be determined for compliance with District Rule 430.
[Rule 1203 (D)(1)(e)(ii)]
[SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 02/24/95]
17. On an **annual** basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. Each report shall be certified to be true, accurate, and complete by a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(vii - x)]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. CONDITIONS APPLICABLE TO TWO NATURAL GAS FIRED HEATERS WHICH
ARE PART OF THE SOLAR ELECTRIC GENERATING SYSTEMS (SEGS)
CONSISTING OF:

- a. MDAQMD Permit Numbers B002013 and B002016, Kinetics Technology, HTF, natural gas fired heaters, each unit has a maximum heat input of 872 MMBTU/hr and consists of the following equipment:
- Four Vertical Tube Box Heaters, each with 32 Alzeta Pyrocore radiant burners.
 - Two Forced Draft Blowers; one 300 bhp @ 1190 rpm, one 255 hp @ 1200 rpm
 - Two Induced Draft Fans; one 300 bhp @ 885 rpm, one 500 hp @ 1190 rpm
 - Three Pumps; 3,000 hp each @ 1794 rpm
 - One Freeze Protection Pump; 100 bhp @ 1775 rpm
 - Continuous Emission Monitoring (CEM) equipment

1. Owner/Operator shall comply with the following Criteria Emissions Limits for each of the SEGS VIII and IX Heaters:

NO_x - 81.2 lb/h (based on 67 ppmv), not to exceed 580lb/day

CO - 248 lb/h (based on 350 ppmv), not to exceed 550lb/day

PM₁₀ - 5.2 lb/h, not to exceed 83.2 lb/day

- a. The average hourly emission for NO_x and CO shall be reported per the approved monitoring plan. The average hourly rate shall be the arithmetic average of four or more data points equally spaced over each 1-hour period.
- b. Daily emissions shall be reported based on the hourly emissions reported above.
- c. All PM emissions from these heaters shall be assumed to be 100% PM₁₀.

[MDAQMD Permit Numbers B002013 and B002016, Condition 1: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR

52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

The total annual emissions for NO_x and CO when calculated on a rolling annual average shall not exceed the following:

NO_x - 27.9 tons/year

CO - 26.5 tons/year

[MDAQMD Permit Numbers B002013 and B002016, Condition 2: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The daily emissions of NO_x, CO and O₂ (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS) as required herein:
 - a. For NO_x CEMS - Performance Specifications 2 of 40 CFR 60 Appendix B.
 - b. For O₂ CEMS - Performance Specifications 3 of 40 CFR 60 Appendix B.
 - c. For CO CEMS - Performance Specifications 4 of 40 CFR 60 Appendix B.[MDAQMD Permit Numbers B002013 and B002016, Condition 3 & 4: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
Reference Section II B(3)
3. Compliance with the NO_x, carbon monoxide, and oxygen requirements of Rule 1157 Section C shall be determined using the following test methods:
 - (a) Oxides of Nitrogen - EPA Method 7E or ARB Method 100
 - (b) Carbon Monoxide - EPA Method 10 or ARB Method 100
 - (c) Stack Gas Oxygen - EPA Method 3 or 3A or ARB Method 100
 - (d) NO_x Emission Rate (Heat Input Basis) - EPA Method 19

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]
Reference Section II B(3)

4. Compliance tests shall be performed in accordance with the Districts Compliance Test Procedural Manual. The test report shall be submitted to the District within 45 days following completion of tests, and no later than six (6) weeks prior to the expiration date of the permit. The following compliance tests are required:
 - a. Annual compliance test for NO_x (as NO₂ in ppmv at 3% O₂ & dry)
 - b. Annual compliance test for CO (in ppmv at 3% O₂ & dry)
 - c. PM₁₀ emissions rate test is required once every five (5) years, commencing in 1997. Additional Compliance testing may be required at the discretion of the

District. Actual Emission limits shall not exceed the levels indicated above. Particulate Matter emission concentrations and emission rate determinations shall be based upon the average of three (3) one-hour runs. Compliance with the Particulate Matter limits shall be demonstrated using USEPA Method 5. Determination of percent by volume stack-gas oxygen shall be determined using USEPA Method 3A or USEPA Method 3. Alternative test methods may be used upon obtaining the approval of the Air Pollution Control Officer, CARB and USEPA.

[MDAQMD Permit Numbers B002013 and B002016, Condition 5: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[**SIP Pending:** Rule 475 - *Electric Power Generating Equipment* as adopted 08/25/97 and submitted 03/10/98]

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

5. Daily log shall be maintained which include but are not limited to the following:

- a. Hours of operation/day
- b. Dates of routine maintenance
- c. Dates of major repairs and/or replacements
- d. Natural gas use and Higher Heating Value (HHV)
- e. Amount of Heat Transfer Fluid (HTF) added to system.

[MDAQMD Permit Numbers B002013 and B002016, Condition 6: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

6. HHV determination shall be determined by test method ASTM D 1826-88, or ASTM D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels.

[Rule 1157 - *Boilers and Process Heaters*; Version in SIP = Current, 40 CFR 52.220(c)(207)(I)(D)(3) - 5/19/97 61 FR 56470, effective 11/1/96]

7. Quarterly reports shall be provided to the District Compliance Supervisor in accordance with the District approved monitoring plan. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.

[MDAQMD Permit Numbers B002013 and B002016, Condition 7: Rule 204 - *Permit*

Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. Owner/Operator of any CEMS required to perform *Relative Accuracy Test Audits*, *Cylinder Gas Audits*, or *Linearity Error Tests* shall notify the District prior to such testing. The District reserves the right to observe any Compliance Testing or Calibration of CEMS.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

9. Any Compliance/Performance testing required by Part II and/or III conditions shall be accomplished in accordance with the applicable procedures outlined in 40 CFR 60, and/or 40 CFR 75.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

10. Certification of the higher heating value of a fuel, if not provided by a third party fuel supplier, shall be determined by one of the following methods:

- (a) ASTM Test Method D240-87 or D2382-88 for liquid hydrocarbon fuels.
- (b) ASTM Test Method D1826-88, or D1945-81, in conjunction with ASTM D3588-89 for gaseous fuels.

[**SIP Pending:** Rule 475 - *Electric Power Generating Equipment* as adopted 08/25/97 and submitted 03/10/98]

B. CONDITIONS APPLICABLE TO TWO COOLING TOWERS CONSISTING OF:

- a. MDAQMD Permit Numbers B003941 and B003943, Marley, six (6) cell counterflow model with a design drift rate of 0.0005 and a circulation rate of 56,100 gpm composed of the following equipment:

- Six (6) Exhaust fans, rated at 150 hp each, operating at 1790 rpm
- One (1) Circulation Pump, rated at 40 hp, operating at 705 rpm
- Four (4) Cooling Water Pumps, rated at 300 hp and 14,100 gpm each, operating at 705 rpm
- One (1) Auxiliary Cooling Water Pump, rated at 40 hp, operating at 1775 rpm
- Three (3) Cooling Water Makeup Pumps, rated at 20 hp each, operating at 1765 rpm

1. All equipment shall be maintained and operated in strict accord with the recommendations of the manufacturer/supplier and/or engineering principles.

[MDAQMD Permit Numbers B003941 and B003943, Condition 1: Rule 204 - *Permit*

Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The Owner/Operator shall comply with District Rule 1503 relative to the Hexavalent Chromium Emissions from Cooling Towers and shall not operate a cooling tower unless hexavalent chromium containing water treatment chemicals are not added to cooling tower circulating water. The concentration of hexavalent chromium in the circulating water of a non-wooden cooling tower shall not exceed 0.15 milligram per liter (mg/L) and shall be tested every six months. Records shall be retained for five years and made available, upon request, to the Air Pollution Control Officer or representative. Records shall contain, but are not limited to, the information as required by paragraph (D) of District Rule 1503. The operator shall maintain records regarding all cooling towers in one location, with current originals or copies at this facility site.

[MDAQMD Permit Numbers B003941 and B003943, Condition 2: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 1503 - *Chromium Emissions From Cooling Towers*; Not in SIP]

3. The drift rate shall not exceed 0.0005 percent and the maximum circulation rate shall be 56,100 gpm. The maximum emission rate of PM-10 shall not exceed 2.8 lb/hr (based on Total Dissolved Solids of 20,000 ppmv with maximum flowrate and drift rate.
[MDAQMD Permit Numbers B003941 and B003943, Condition 3: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Weekly tests of the blowdown water quality shall be performed by the Owner/Operator in accordance with standard test procedures. Mass emission rate shall be included in the weekly recordings. Log shall be maintained current and on site for a minimum of 5 years and provided to District, State or Federal personnel on request.
[MDAQMD Permit Numbers B003941 and B003943, Condition 4: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. This equipment does not require regularly scheduled emission compliance testing, however, emission compliance testing may be required at the discretion of the District.
[MDAQMD Permit Numbers B003941 and B003943, Condition 5: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. A maintenance procedure shall be established, including frequency, to ensure the integrity of the drift eliminators. Procedure shall be kept on-site and available to District, State or Federal personnel on request.
[MDAQMD Permit Numbers B003941 and B003943, Condition 6: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

C. CONDITIONS APPLICABLE TO TWO HEAT TRANSFER FLUID (HTF) Ullage SYSTEMS CONSISTING OF:

- One 30 bhp @ 3520 rpm, 15 gpm @ 160 psig, Ullage Vessel Pump
 - One 3 bhp @ 1750 rpm, Ullage Cooler Circulation Pump
 - One 204,600 Btu/hr @ 180 psig & 560 degrees F, Ullage Cooler
 - One 650,000 Btu/hr @ 180 psig & 560 degrees F, Ullage Cooler
 - One 2,000 gallon @ 180 psig & 500 degrees F, Ullage Vessel
 - One 2,000 gallon @ 15 psig & 250 degrees F, Ullage Vessel
 - One 3,000 gallon @ 15 psig, Ullage Drain
1. All equipment shall be maintained and operated in strict accord with the recommendations of the manufacturer/supplier and/or engineering principles.
[MDAQMD Permit Numbers B003942 and B003944, Condition 1: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. If current non-criteria substances become regulated as toxic or hazardous substances and are used in this equipment, the owner/operator shall submit to the District a plan demonstrating how compliance will be achieved and maintained with such regulations.
[MDAQMD Permit Numbers B003942 and B003944, Condition 2: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

D. CONDITIONS APPLICABLE TO TWO EMERGENCY GENERATORS, EACH CONSISTING OF:

- a. Caterpillar, Diesel, Model No. SR-4, 890 bhp @ 1800rpm
1. The Owner/Operator shall log the starting and stopping times of the operational periods of this generator, to the nearest minute, and the date.
[MDAQMD Permit Numbers E002015 and E002018, Condition 1: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) -

11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. The Owner/Operator shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05 % by weight. Fuel suppliers fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[MDAQMD Permit Numbers E002015 and E002018, Condition 2: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
Reference Section II A 18
3. The Owner/Operator shall log all purchases of diesel fuel including the volume (or weight), date received and the sulfur content. The Owner/Operator may use the supplier's furnished certification of sulfur content if the certifications are maintained on file as a part of the log
[MDAQMD Permit Numbers E002015 and E002018, Condition 3: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The logs shall be maintained current, on-site for a minimum of 5 years and provided to District, State or Federal personnel on request.
[MDAQMD Permit Numbers E002015 and E002018, Condition 4: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The Owner/Operator is limited to operating this generator to 1.0 hr/wk for test purposes, and for emergency purposes.
[MDAQMD Permit Numbers E002015 and E002018, Condition 5: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. This unit shall not be operated more than 1000 hr/year without the prior written approval of the District APCO.
[MDAQMD Permit Numbers E002015 and E002018, Condition 6: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

E. CONDITIONS APPLICABLE TO THREE EMERGENCY DIESEL FIRE PUMPS,
EACH CONSISTING OF:

- a. Caterpillar Diesel Engines, Model No. 3306, 267 bhp @ 2100 rpm
1. The owner/operator (Owner/Operator) shall log the starting and stopping times of the operational periods of these Fire Pumps, to the nearest minute, and the date.
[MDAQMD Permit Numbers E003940, Condition 1: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The Owner/Operator shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05% by weight. Fuel suppliers fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)
[MDAQMD Permit Numbers E003940, Condition 2: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
Reference Section II A 18
3. The Owner/Operator shall log all purchases of diesel fuel including the volume (or weight), date received and the sulfur content. The Owner/Operator may use the supplier's furnished certification of sulfur content if the certifications are maintained on file as a part of the log.
[MDAQMD Permit Numbers E003940, Condition 3: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. The logs shall be maintained current, on-site for a minimum of 5 years and provided to District, State or Federal personnel on request.
[MDAQMD Permit Numbers E003940, Condition 4: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. The Owner/Operator is limited to operating these Fire Pumps to 1.0 hr/wk for test

purposes, and for emergency purposes, defined as the occurrence of fire.

[MDAQMD Permit Numbers E003940, Condition 5: Rule 204 - *Permit Conditions*;
Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR
52237; Current Rule Version = 07/25/77]

6. This unit shall not be operated more than 1000 hour/year without the prior written approval of the District APCO.
[MDAQMD Permit Numbers E003940, Condition 6: Rule 204 - *Permit Conditions*;
Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR
52237; Current Rule Version = 07/25/77]

F. CONDITIONS APPLICABLE TO EMERGENCY DIESEL COMPRESSOR
CONSISTING OF:

- a. John Deere, Diesel, Compressor, Model No. 6076AF-00, 6 cylinders, Turbo
Charged, 250bhp @2100rpm, Serial No. RG6076A115700
1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[MDAQMD Permit Numbers E007525, Condition 1: Rule 204 - *Permit Conditions*;
Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR
52237; Current Rule Version = 07/25/77]
2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants .
[MDAQMD Permit Numbers E007525, Condition 2: Rule 204 - *Permit Conditions*;
Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR
52237; Current Rule Version = 07/25/77]
3. The Owner/Operator shall use only diesel fuel whose sulfur concentration is less than or equal to 0.05% by weight. Fuel suppliers fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for Periodic Monitoring Requirements; see Part II and Part III conditions)
[MDAQMD Permit Numbers E003940, Condition 2: Rule 204 - *Permit Conditions*;

Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

Reference Section II A 18

4. The Owner/Operator shall maintain a log for this unit, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of 5 years and shall be provided to District, State or Federal personnel on request:
 - a. Date of each use;
 - b. Duration of each use, in minutes;
 - c. Fuel consumed during each calendar year, in gallons;
 - d. Fuel sulfur concentration (the Owner/Operator may use the supplier's certification of sulfur content if it is maintained as part of this log).[MDAQMD Permit Numbers E007525, Condition 4: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- G. CONDITIONS APPLICABLE TO NON-RETAIL GASOLINE FACILITY CONSISTING OF:
 - a. One 2000 gallon, 87 octane, unleaded gasoline above ground storage tank, one 1000 gallon Diesel above ground storage tank, one gasoline dispensing nozzle, and one Diesel Dispensing Nozzle. Gasoline System includes Phase II Vapor Recovery.
 1. The toll-free telephone number that must be posted is 1-800-635-4617.
[MDAQMD Permit Numbers N002984, Condition 1: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. The owner/operator (Owner/Operator) shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least 5 years and shall be available to District, State or Federal personnel upon request.
[MDAQMD Permit Numbers N002984, Condition 2: Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

3. Any modifications, changes to the piping, or control fittings of the vapor recovery system, requires prior approval from the District.

[MDAQMD Permit Numbers N002984, Condition 2: Rule 204 - *Permit Conditions*;
Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR
52237; Current Rule Version = 07/25/77]

4. Owner/Operator shall not transfer, permit the transfer or provide equipment for the transfer of gasoline into or from any tank truck, trailer, or railroad tank car into the gasoline storage tank unless the transfer is made to tank equipped as required in Rule 463 or unless all of the following conditions are met:
- (a) Tank is equipped with a permanent submerged fill pipe, and
 - (b) Such delivery vessel or tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board, and the facility's vapor recovery system shall be capable of recovering or processing 95% of the displaced gasoline vapors, and
 - (c) All vapor return lines are connected between the tank truck, trailer, or railroad tank car and the gasoline tank, and the vapor recovery system is in operation in accordance with the manufacturer's specifications, and the delivery vehicle, including all hoses, fittings, and couplings, is maintained in a vapor-tight condition, as defined by the applicable California Air Resources Board certification and test procedures (Part III, Section D, of Title V Permit), and all equipment is operated and maintained according to the manufacturer's specifications.
 - (d) Hatch openings are limited to no more than 3 minutes in duration for visual inspection, provided that pumping has been stopped for at least 3 minutes prior to opening, and the hatch is closed fully before pumping is resumed.
 - (e) All lines are gravity drained, in such a manner that upon disconnect no liquid spillage would be expected; and
 - (f) Equipment subject to this condition shall be operated and maintained, with no defects, as follows:
 - (i) All fill tubes are equipped with vapor-tight covers, including gaskets; and
 - (ii) All dry breaks have vapor-tight seals and are equipped with vapor-tight covers or dust covers; and
 - (iii) Coaxial fill tubes are operated so there is no obstruction of vapor passage from the storage tank back to the delivery vehicle; and
 - (iv) The fill tube assembly, including fill tube, fittings and gaskets, is maintained to prevent vapor leakage from any portion of the vapor recovery system; and
 - (v) All storage tank vapor return pipes without dry breaks are equipped with vapor-tight covers, including gaskets.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

5. Owner/Operator shall not load organic liquids having a vapor pressure of 77.5 millimeters of mercury (1.5 psia) or greater under actual loading conditions into any tank truck, trailer, or railroad tank unless the loading facility is equipped with a vapor recovery system.

[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

6. Owner/Operator shall accomplish loading in such a manner that the displaced vapor and air will be vented to a vapor recovery system. All connections and vapor lines are to be maintained in a Vapor Tight condition to prevent fugitive vapor leaks. Measures shall be taken to prevent fugitive liquid leaks from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected, to prevent organic liquid drainage.

[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

7. Owner/Operator shall prepare a log showing the daily; input, output, average stored volume over the 24 hour period (midnight to midnight), storage and transfer temperatures of the organic liquid, stored product's name and Chemical Abstracts Service (CAS) number, and a monthly summary of the throughput for the calendar year to date.

[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

8. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of the Part III, Section G conditions:

- (a) Vapor recovery system and gasoline dispensing equipment shall be maintained leak-free as verified performing annual EPA Method 21 tests and monthly visual inspections. Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in Part II, Condition G.2.(c) shall be determined by EPA Method 21 - *Determination of Volatile Organic Compounds Leaks*.
- (b) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
- (c) Reid Vapor Pressure shall be determined in accordance with ASTM Method D

323-82.

- (d) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, "*Certification of Vapor Recovery Systems - Bulk Plants.*"
- (e) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "*Certification of Vapor Recovery Systems - Gasoline Terminals.*"
- (f) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "*Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations.*"

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*](for *Periodic Monitoring Requirements*; see *Part II and Part III conditions*)

[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

PART IV STANDARD FEDERAL OPERATING PERMIT CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction, the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. The Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. The Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

8. The Owner/Operator shall furnish to District, State or Federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. The Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. The Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s).
[40 CFR 70.6(f)(1); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading, pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
20. If the Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, the Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart F]
21. If the Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

No additional Operational Flexibility provisions allowed without appropriate permit modifications.

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
hp	horse power
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
psia	pounds per square inch absolute
rpm	revolutions per minute
SIC	Standard Industrial Classification

SIP State of California Implementation Plan
SO₂ sulfur dioxide

D. DEFINITIONS:

1. For the purposes of MDAQMD Rule 203 - *Permit to Operate*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 203 shall apply.
2. For the purposes of MDAQMD Rule 204 - *Permit Conditions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 204 shall apply.
3. For the purposes of MDAQMD Rule 206 - *Posting of Permit to Operate*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 206 shall apply.
4. For the purposes of MDAQMD Rule 207 - *Altering or Falsifying of Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 207 shall apply.
5. For the purposes of MDAQMD Rule 209 - *Transfer and Voiding of Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 209 shall apply.
6. For the purposes of MDAQMD Rule 219 - *Equipment Not Requirement a Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 219 shall apply.
7. For the purposes of MDAQMD Rule 221 - *Federal Operating Permit Requirement*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 221 shall apply.
8. For the purposes of MDAQMD Rule 301 - *Permit Fees*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 301 shall apply.
9. For the purposes of MDAQMD Rule 312 - *Fees for Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 312 shall apply.

10. For the purposes of MDAQMD Rule 401 - *Visible Emissions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 401 shall apply.
11. For the purposes of MDAQMD Rule 402 - *Nuisance*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 402 shall apply.
12. For the purposes of MDAQMD Rule 403 - *Fugitive Dust*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 403 shall apply.
13. For the purposes of MDAQMD Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 403.2 shall apply.
14. For the purposes of MDAQMD Rule 404 - *Particulate Matter - Concentration*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 404 shall apply.
15. For the purposes of MDAQMD Rule 405 - *Solid Particulate Matter - Weight*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 405 shall apply.
16. For the purposes of MDAQMD Rule 406 - *Specific Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 406 shall apply.
17. For the purposes of MDAQMD Rule 407 - *Liquid and Gaseous Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 407 shall apply.
18. For the purposes of MDAQMD Rule 408 - *Circumvention*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 408 shall apply.
19. For the purposes of MDAQMD Rule 409 - *Combustion Contaminants*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 409 shall apply.
20. For the purposes of MDAQMD Rule 430 - *Breakdown Provisions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 430 shall apply.
21. For the purposes of MDAQMD Rule 431 - *Sulfur Content of Fuels*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 431 shall apply.

22. For the purposes of MDAQMD Rule 432 - *Gasoline Specifications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 432 shall apply.
23. For the purposes of MDAQMD Rule 442 - *Usage of Solvents*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 442 shall apply.
24. For the purposes of MDAQMD Rule 461 - *Gasoline Transfer and Dispensing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 461 shall apply.
25. For the purposes of MDAQMD Rule 462 - *Organic Liquid Loading*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 462 shall apply.
26. For the purposes of MDAQMD Rule 463 - *Storage of Organic Liquids*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 463 shall apply.
27. For the purposes of MDAQMD Rule 501 - *General*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 501 shall apply.
28. For the purposes of MDAQMD Rule 502 - *Filing Petitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 502 shall apply.
29. For the purposes of MDAQMD Rule 503 - *Contents of Petitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 503 shall apply.
30. For the purposes of MDAQMD Rule 504 - *Petitions for Variances*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 504 shall apply.
31. For the purposes of MDAQMD Rule 505 - *Appeal from Denial*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 505 shall apply.
32. For the purposes of MDAQMD Rule 506 - *Failure to Comply with Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 506 shall apply.
33. For the purposes of MDAQMD Rule 507 - *Pleadings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 507 shall apply.

34. For the purposes of MDAQMD Rule 508 - *Dismissal of Petition*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 508 shall apply.
35. For the purposes of MDAQMD Rule 509 - *Place of Hearing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 509 shall apply.
36. For the purposes of MDAQMD Rule 510- *Notice of Hearing*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 510 shall apply.
37. For the purposes of MDAQMD Rule 511 - *Evidence*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 511 shall apply.
38. For the purposes of MDAQMD Rule 512 - *Preliminary Matters*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 512 shall apply.
39. For the purposes of MDAQMD Rule 513 - *Official Notice*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 513 shall apply.
40. For the purposes of MDAQMD Rule 514 - *Continuances*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 514 shall apply.
41. For the purposes of MDAQMD Rule 515 - *Decision*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 515 shall apply.
42. For the purposes of MDAQMD Rule 516 - *Effective Date of Decision*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 516 shall apply.
43. For the purposes of MDAQMD Rule 517 - *Lack of Permit*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 517 shall apply.
44. For the purposes of MDAQMD Rule 518 - *Findings*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 518 shall apply.
45. For the purposes of MDAQMD Rule 1104 - *Organic Solvent Degreasing Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1104 shall apply.
46. For the purposes of MDAQMD Rule 1113 - *Architectural Coatings Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1113 shall apply.

47. For the purposes of MDAQMD Rule 1114 - *Wood Products Coatings Rule*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1114 shall apply.
48. For the purposes of MDAQMD Rule 1115 - *Metal Parts & Products Coating Operations*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1115 shall apply.
49. For the purposes of MDAQMD Rule 1157 - *Boilers and Process Heaters*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1157 shall apply.
50. For the purposes of MDAQMD Rule 1200 - *General*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1200 shall apply.
51. For the purposes of MDAQMD Rule 1201 - *Definitions*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1201 shall apply.
52. For the purposes of MDAQMD Rule 1202 - *Applications*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1202 shall apply.
53. For the purposes of MDAQMD Rule 1203 - *Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1203 shall apply.
54. For the purposes of MDAQMD Rule 1204 - *Reserved, "General Permits"*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1204 shall apply.
55. For the purposes of MDAQMD Rule 1205 - *Modifications of Federal Operation Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1205 shall apply.
56. For the purposes of MDAQMD Rule 1206 - *Reopening, Reissuance and Termination of Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1206 shall apply.
57. For the purposes of MDAQMD Rule 1207 - *Notice and Comment*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1207 shall apply.

58. For the purposes of MDAQMD Rule 1208 - *Certification*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1208 shall apply.
59. For the purposes of MDAQMD Rule 1209 - *Appeals*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1209 shall apply.
60. For the purposes of MDAQMD Rule 1210 - *Acid Rain Provisions of Federal Operating Permits*, and its use in this Federal Operating Permit, the definitions contained in MDAQMD Rule 1210 shall apply.